

Title (en)
Transformer system

Title (de)
Transformatorsystem

Title (fr)
Système de transformateur

Publication
EP 2151833 B1 20130306 (EN)

Application
EP 08161996 A 20080807

Priority
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Abstract (en)
[origin: EP2151833A1] To improve the cooling efficiency of a transformer operated in a wind power station, according to the present invention there is provided a cooling system. The cooling system comprises a transformer guard housing 10 having a first opening 12 for supply of a transformer cooling medium and having a second opening 14 for discharge of the transformer cooling medium. Further, a first channel system 20 supplies the transformer cooling medium to the transformer guard housing 10. A second channel system 22 discharges the transformer cooling medium from the transformer guard housing 10. Through the provision of the inventive cooling system, a controlled flow of cooling medium to the transformer accommodated in the transformer guard housing 10 increases operative efficiency of the installation.

IPC 8 full level
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Cited by
CN106795865A; EP2801988A3; CN106471248A; EP2565445A1; EP2568170A1; KR20140088516A; EP3770929A1; EP2518315A1; CN105863973A; CN102237182A; EP2453451A3; EP4052276A4; DK201770174A1; EP3715562A4; US9911528B2; WO2013060337A1; US9514874B2; WO2021110255A1; WO2013034626A1; WO2021018668A1; JP2012102692A

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